Revisions

GENERAL FLOOR PLAN NOTES

B E2	DETAIL: B = DETAIL DESIGNATION E2 = SHEET WHERE DETAIL IS LOCATED
1 E2	SECTION: 1 = SECTION DESIGNATION E2 = SHEET WHERE DETAIL IS LOCATED
3	PLAN NOTE. APPLIES ONLY TO THE SHEET WHICH IT IS SHOWN.
3	DETAIL NOTE. APPLIES ONLY TO THE ASSOCIATED DETAIL.
	CABLE TRAY, 12" x 4" DEEP UNLESS NOTED OTHERWISE.
	WIRE & CONDUIT IN WALL OR ABOVE CEILING.
	WIRE & CONDUIT IN OR BELOW SLAB OR GRADE.
	CONDUIT TO BE REMOVED.
E	EXISTING WIRE & CONDUIT TO REMAIN.
———DAT———	CONDUIT FOR DATA CIRCUITRY.
——ЕМ——	WIRE & CONDUIT FOR EMERGENCY CIRCUITRY.
———FA———	WIRE & CONDUIT FOR FIRE ALARM CIRCUITRY.
NC	WIRE & CONDUIT FOR NURSE CALL CIRCUITRY.
W	WIRE RUN IN SURFACE WIREWAY.
CM	CABLE MANAGEMENT SYSTEM PATHWAY.
X - 1,2	EACH ARROWHEAD REPRESENTS ONE COMPLETE CIRCUIT; "X" DENOTES PANEL NAME; NUMBER(S) DENOTES CIRCUIT(S).

NURSE CALL SYMBOLS

NCCP	NURSE CALL CONTROL PANEL.
NMW	NURSE CALL DESK MOUNTED MASTER CONTROL STATION (OUTLET AT 18" MH UNLESS NOTED OTHERWISE). SUBSCRIPT "W" INDICATES WALL MOUNT (46" MH UNLESS NOTED OTHERWISE).
NS	NURSE CALL STAFF STATION (46" MH UNLESS NOTED OTHERWISE).
NS C	NURSE CALL MULTI-PIN CATV JACK (84" AFF UNLESS NOTED OTHERWISE).
NS P	NURSE CALL STAFF PRESENCE STATION (60" AFF UNLESS NOTED OTHERWISE).
ND	NURSE CALL DUTY STATION (46" MH UNLESS NOTED OTHERWISE).
N	EMERGENCY NURSE CALL STATION WITH PULL CORD FOR PATIENT USE (46" MH AND TO SIDE AND WITHIN 12" FROM FRONT OF TOILET BOWL IN TOILET ROOMS, 66" MH IN SHOWERS AND WET AREAS, 46" MH UNLESS NOTED OTHERWISE IN ALL OTHER AREAS).
NC	PATIENT NURSE CALL UTILITY CONSOLE (46" MH UNLESS NOTED OTHERWISE).
N-\$	PATIENT NURSE CALL STATION (ONE OR TWO CORDS AS INDICATED, 46" MH UNLESS NOTED OTHERWISE).
Ø	CEILING MOUNTED NURSE CALL DOME LIGHT.
HØ	WALL MOUNTED NURSE CALL DOME LIGHT (90" MH UNLESS NOTED OTHERWISE).
₩ _B	CEILING MOUNTED COMBINATION DOME LIGHT AND BUZZER.
™ _Z	CEILING MOUNTED NURSE CALL ZONE LIGHT.
NE	NURSE CALL EMERGENCY BUTTON (46" MH UNLESS NOTED OTHERWISE).
N ^B	EMERGENCY CODE BLUE BUTTON (46" MH UNLESS NOTED OTHERWISE).

GENERAL NOTES

- A. ALL ELECTRICAL SPLICES FOR WIRE SIZES 6 AWG AND LARGER SHALL BE HYDRAULIC CRIMP TYPE. B. THESE NOTES APPLY EQUALLY TO THE FULL SET OF DOCUMENTS. SITE VISIT(S) SHALL BE AS OUTLINED IN PROJECT SPECIFICATIONS. D. ANY ASBESTOS WORK PERFORMED AS PART OF THIS PROJECT SHALL BE COMPLETED PRIOR TO STARTING ANY OTHER
- E. THE NOTES AND SYMBOLS SET DOWN ON THESE DRAWINGS ARE FOR THE GUIDANCE OF ALL TRADES INVOLVED IN THE PROJECT AND MUST BE FOLLOWED TO EXECUTE THE WORK AS INTENDED. F. THE CONTRACTORS SHALL REFER TO ALL SPECIFICATION SECTIONS, AND ELECTRICAL DRAWINGS FOR DETAILS OF BUILDING CONSTRUCTION TO ENSURE SPACE AND SATISFACTORY ARRANGEMENT FOR THEIR WORK. THE VARIOUS

DRAWINGS COMPRISING THE SET ARE INTERDEPENDENT AND MUST BE USED JOINTLY AT ALL TIMES. EACH

- CONTRACTOR SHOULD REFER TO THE GENERAL REQUIREMENTS OF THE CONTRACT. THESE NOTES AND SYMBOLS SET DOWN ON THE DRAWINGS ARE FOR THE GUIDANCE OF ALL TRADES INVOLVED IN THE PROJECT AND MUST BE FOLLOWED TO EXECUTE THE WORK AS INTENDED. IF DISCREPANCIES OCCUR, CONTACT THE COR THRU THE CONTRACTING OFFICER FOR CLARIFICATION BEFORE PROCEEDING. G. IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR THE CONDITIONS ON THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL
- WORKING HOURS. SEE SPECIFICATIONS FOR MORE SPECIFIC DETAILS ON RESPONSIBILITIES. H. ALL WORK MUST BE COORDINATED WITH THE COR TO MAINTAIN OPERATION OF THE EXISTING FACILITY. I. FIELD VERIFY DIMENSIONAL INFORMATION PRIOR TO ORDERING EQUIPMENT. DO NOT SCALE DRAWINGS.
- J. DIMENSIONS ARE TYPICALLY INDICATED TO THE FINISHED FACE OF WALLS OR PARTITIONS AND CENTER LINES OF COLUMNS UNLESS OTHERWISE INDICATED. K. TITLES, CAPTIONS, HEADINGS, ETC. ARE INTENDED FOR GENERAL REFERENCE AND ARE NOT INTENDED TO LIMIT THE
- WORK REQUIRED IN ANY WAY. L. EACH CONTRACTOR SHALL COORDINATE HIS WORK WITH THE WORK OF OTHERS. HE SHALL KEEP HIMSELF INFORMED OF THE PROGRESS AND DETAIL DEVELOPMENT OF THE WORK OF OTHERS AND SHALL BE RESPONSIBLE FOR COORDINATING AND EXPEDITING HIS WORK WITH OTHERS SO THAT THE PROGRESS OF THE TOTAL WORK SHALL BE KEPT ON SCHEDULE.
- M. ALL WORK SHALL BE PERFORMED IN COMPLETE COMPLIANCE WITH ALL GOVERNING CODES AND STANDARDS.
- N. EXISTING CONDITIONS SHOWN HAVE BEEN BASED UPON AVAILABLE DRAWING INFORMATION, LIMITED SITE

 INVESTIGATIONS AND MAY BE AT VARIANCE WITH ACTUAL WORK IN PLACE. THE CONTRACTOR SHALL TAKE ALL

 NECESSARY FIELD MEASUREMENTS AND FIELD VERIFY ALL CONDITIONS AFFECTING THE EXECUTION OF THE WORK.

 ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THE WORK SHOWN ON THE CONTRACT DOCUMENTS WHICH

 MAY IMPACT THE PROGRESS OF THE WORK SHALL BE BROUGHT TO THE ATTENTION OF THE CONTRACTING OFFICER IN

 WINDING FOR RESOLUTION REFORE PROCEEDING WITH THE WORK. WRITING FOR RESOLUTION BEFORE PROCEEDING WITH THE WORK.

 O. EACH CONTRACTOR AND/OR TRADE FITTING OR PLACING HIS WORK INTO OR ON THE WORK OF OTHERS DOES SO WITH THE UNDERSTANDING THAT THE INSTALLATION OF HIS WORK CONSTITUTES HIS ACCEPTANCE OF THE SUITABILITY OF THE WORK IN PLACE. IF THE WORK OF OTHERS IS NOT ACCEPTABLE, HE SHALL NOTIFY THE COR AND SUCH WORK SHALL BE CORRECTED. ANY NEW WORK INSTALLED IN UNSUITABLE EXISTING WORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR OR TRADE INSTALLING THE NEW WORK. NO CLAIMS FOR ADDITIONAL COMPENSATION FOR
- CORRECTING WORK INSTALLED IN UNSUITABLE EXISTING CONDITIONS WILL BE CONSIDERED. P. ANY STRUCTURAL, MECHANICAL, ELECTRICAL, FIRE PROTECTION, OR PLUMBING INFORMATION INDICATED ON THE ARCHITECTURAL DRAWINGS IS FOR REFERENCE PURPOSES ONLY UNLESS OTHERWISE INDICATED. Q. IF, IN THE PERFORMANCE OF THE ELECTRICAL WORK, MATERIALS ARE OBSERVED WHICH ARE SUSPECTED TO CONTAIN ASBESTOS, THE ELECTRICAL CONTRACTOR SHALL IMMEDIATELY INFORM THE COR. WORK THAT WOULD EXPOSE WORKERS TO THE INHALATION OF ASBESTOS PARTICLES SHALL BE TERMINATED. WORK MAY BE RESUMED ONLY AFTER
- A DETERMINATION HAS BEEN MADE AND UNSAFE MATERIALS HAVE BEEN REMOVED OR ENCAPSULATED AND THE AREA DECLARED SAFE. R. PROPER PERSONNEL PROTECTION EQUIPMENT SHALL BE WORN PER OSHA AND VA REQUIREMENTS WITH VAMC COR
- S. FIRESTOPPING ASSEMBLIES SHALL BE PROVIDED AT PENETRATIONS OF CONDUITS AND OTHER ELECTRICAL ITEMS THRU FIRE RATED FLOORS, FIRE RATED WALLS AND PARTITIONS AND FIRE RATED SHAFT WALLS AND PARTITIONS. ALL PENETRATIONS THROUGH 0-HOUR RATED WALLS SHALL BE CAULKED SMOKE-TIGHT. REFER TO SPECIFICATION SECTION
- T. REMOVE EXISTING ELECTRICAL SYSTEMS WHICH ARE MADE SUPERFLUOUS WHEN NEW SYSTEMS ARE INSTALLED INCLUDING ALL ASSOCIATED WIRING AND DEVICES. PROVIDE BLANK STAINLESS STEEL COVERPLATES PROPERLY SIZED FOR EXISTING BACKBOX AND WALL OPENING FOR ALL RECESSED WALL MOUNTED DEVICES REMOVED. ALL ABANDON RACEWAY, CONDUIT AND BOXES SHALL BE REMOVED.

 U. REFER TO SPECIFICATION SECTION 01 00 00 GENERAL REQUIREMENTS FOR STATEMENT OF BID ITEM(S) AND DEDUCTIVE
- V. CONTRACTOR IS REQUIRED TO PROVIDE FLOOR AND WALL PROTECTION (AS NEEDED) AND REPLACE ANY DAMAGED CEILING TILES WITH NEW. RETURN AREA BACK TO ORIGINAL CONDITIONS UPON COMPLETION OF WORK.

ELECTRICAL SYMBOLS

Φ 3 \$	DASH SYMBOL INDICATES PARTICULAR OUTLET OR DEVICE TO BE REMOVED AND CIRCUITRY MADE CONTINUOUS WHERE REQUIRED.
Φ 3	EXISTING OUTLET OR DEVICE TO REMAIN. MAINTAIN EXISTING CIRCUITING.
•	ELECTRICAL CONNECTION.
Φ	20A-125V DUPLEX RECEPTACLE, NEMA 5-20R (18" MH UNLESS NOTED OTHERWISE).
Φ.	SURFACE MOUNT 20A-125V DUPLEX RECEPTACLE, NEMA 5-20R (18" MH UNLESS NOTED OTHERWISE). UTILIZE SINGLE CHANNEL RACEWAY TO ABOVE ACCESSIBLE CEILING.
φ	20A-125V SINGLE RECEPTACLE, NEMA 5-20R (18" MH UNLESS NOTED OTHERWISE).
φ	20A-208V/1P SINGLE RECEPTACLE. NEMA 5-20R, (46" MH UNLESS NOTED OTHERWISE).
φ ^F	20A-208V/1P SINGLE RECEPTACLE. NEMA 5-20R, (46" MH UNLESS NOTED OTHERWISE). ENGRAVE COVERPLATE TO READ "FREEZER"
•	20A-125V DOUBLE DUPLEX RECEPTACLE. NEMA 5-20R, (18" MH UNLESS NOTED OTHERWISE) TWO GANG ASSEMBLY.
•	20A-125V DUPLEX RECEPTACLE, NEMA 5-20R (46" MH UNLESS NOTED OTHERWISE).
Φ ^{GF}	20A-125V DUPLEX RECEPTACLE, NEMA 5-20R, WITH GROUND FAULT CIRCUIT INTERRUPTER (18" MH UNLESS NOTED OTHERWISE).
Φ^{WP}	20A-125V WEATHERPROOF DUPLEX RECEPTACLE, NEMA 5-20R (HORIZONTAL 18" MH UNLESS NOTED OTHERWISE) WITH COVER, VERTICAL MOUNT.
→ WP/GF	20A-125V WEATHERPROOF DUPLEX RECEPTACLE, NEMA 5-20R WITH GROUND FAULT CIRCUIT INTERRUPTER (18" MH UNLESS NOTED OTHERWISE), STANDARD COVER, VERTICAL MOUNT.
⊕ EM	20A-125V DUPLEX RECEPTACLE, NEMA 5-20R, ON EMERGENCY POWER (18" MH UNLESS NOTED OTHERWISE).
Φ^{T}	20A-125V POWERLOCK GROUNDING TYPE RECEPTACLE, HOSPITAL USE (66" MH UNLESS NOTED OTHERWISE).
	20A-125V DUPLEX PEDESTAL TYPE FLOOR RECEPTACLE, NEMA 5-20R, FLOOR BOX WITH COVERPLATE HOUSING. PROVIDE CARPET FLANGE WHERE REQUIRED.
	20A-125V DUPLEX RECEPTACLE, NEMA 5-20R, FLUSH FLOOR BOX WITH ROUND COVERPLATE. PROVIDE CARPET FLANGE WHERE REQUIRED.
PT	4-20A-125V RECEPTACLE, NEMA 5-20R, WITH 4 KEYSTONE OPENINGS FOR DATA CABLING IN A 4" CORE HOLE FIRE RATED POKE THRU. POKE-THRU SHALL BE PROVIDED WITH ONE 0.75" CONDUIT FOR POWER AND ONE 1.5" CONDUIT FOR COMMUNICATIONS. PROVIDE WITH APPROPRIATE SUB-PLATE CONTAINING (4) 20A, 125V RECEPTACLES AND (4) KEYSTONE OPENINGS. COORDINATE TOP COVER WITH ARCH TO MATCH FLOOR FINISH.
(1)	JUNCTION BOX.
	SINGLE POLE SWITCH (46" MH UNLESS NOTED OTHERWISE).
\$ 2	TWO POLE WALL SWITCH (46" MH UNLESS NOTED OTHERWISE).
\$ 3	THREE-WAY WALL SWITCH (46" MH UNLESS NOTED OTHERWISE).
\$ 4	
\$ P	FOUR-WAY WALL SWITCH (46" MH UNLESS NOTED OTHERWISE).
\$ К	SWITCH WITH NEON PILOT LIGHT. ONE-GANG ASSEMBLY (46" MH UNLESS NOTED OTHERWISE).
\$	KEY OPERATED WALL SWITCH (46" MH UNLESS NOTED OTHERWISE).
\$ DM	LOW-VOLTAGE MOMENTARY WALL SWITCH (46" MH UNLESS NOTED OTHERWISE).
\$ M	LIGHTING DIMMER SWITCH (46" MH UNLESS NOTED OTHERWISE) 1000 WATTS UNLESS OTHERWISE INDICATED. FLUSH FRACTIONAL HORSEPOWER MOTOR STARTER WITH NEON PILOT LIGHT. ONE-GANG ASSEMBLY (46" MH UNLESS
\$	NOTED OTHERWISE).
	ELECTRICAL PANEL OR SWITCHBOARD PER DRAWINGS.
P/B	PULL BOX.
	DISCONNECT SWITCH.
	MOTOR STARTER.
	COMBINATION MOTOR STARTER AND DISCONNECT SWITCH.
<i>∧</i>	ELECTRIC MOTOR.
✓ UH	UNIT HEATER.
FC	FAN COIL.
AC	AIR CONDITIONER.
~ CU	CONDENSING UNIT.
Ø _{UV}	UNIT VENTILATOR.
(T)	LINE VOLTAGE THERMOSTAT.
H _{DH}	DUCT HEATER.
H _{EB}	ELECTRIC BASEBOARD HEATER.
M	INTERCOM SYSTEM DESK MOUNTED MASTER CONTROL STATION. SUBSCRIPT "W" INDICATES WALL MOUNT (46" MH UNLESS NOTED OTHERWISE).
	INTERCOM STAFF STATION (46" MH UNLESS NOTED OTHERWISE).
H	INTERCOM HORN TYPE SPEAKER (84" MH UNLESS NOTED OTHERWISE).
S	INTERCOM SPEAKER FLUSH MOUNT IN CEILING.
•	PUSHBUTTON (46" MH UNLESS NOTED OTHERWISE) (120 VOLT).
PC	PHOTOELECTRIC SENSOR.
[C]	LIGHTING CONTACTOR.
(OS)	CEILING MOUNTED OCCUPANCY SENSOR.
(DS)	CEILING MOUNTED DAYLIGHT SENSOR.
	VARIABLE FREQUENCY DRIVE

NOTE: ALL SYMBOLS AND ABBREVIATIONS ARE SUBJECT TO MODIFICATIONS ON OTHER DRAWINGS.

ALL SYMBOLS OR ABBREVIATIONS MIGHT NOT **NECESSARILY BE USED ON THIS PROJECT.**

FIRE ALARM SYMBOLS

FIRE ALARM CONTROL PANEL. "FAE"-FIRE ALARM POWER EXTENDER PANEL
FIRE ALARM SPEAKER & SIGNAL LIGHT (80" AFF), (# WHEN SHOWN INDICATES CANDELA RATING OF STROBE. WHEN A # IS NOT SHOWN, THE STROBE SHALL BE RATED 75 CANDELA.
FIRE ALARM CHIME & SIGNAL LIGHT (80" AFF), (# WHEN SHOWN INDICATES CANDELA RATING OF STROBE. WHEN A # IS NOT SHOWN, THE STROBE SHALL BE RATED 75 CANDELA.
FIRE ALARM HORN & SIGNAL LIGHT (80" AFF), (# WHEN SHOWN INDICATES CANDELA RATING OF STROBE. WHEN A # IS NOT SHOWN, THE STROBE SHALL BE RATED 75 CANDELA.
FIRE ALARM SIGNALING LIGHT (80" AFF), (# WHEN SHOWN INDICATES CANDELA RATING OF STROBE. WHEN A # IS NOT SHOWN, THE STROBE SHALL BE RATED 75 CANDELA.
CEILING MOUNTED FIRE ALARM SPEAKER.
FIRE ALARM MANUAL STATION (46" MH UNLESS NOTED OTHERWISE). SUBSCRIPT "K" INDICATES KEY OPERATED.
FIRE ALARM AREA OF RESCUE REMOTE STATION, MTD. 46" AFF.
CEILING MOUNTED SMOKE DETECTOR.
CEILING MOUNTED HEAT DETECTOR.
DUCT MOUNTED SMOKE DETECTOR. SUBSCRIPT "S" INDICATES SUPPLY. SUBSCRIPT "R" INDICATES RETURN.
DUCT MOUNTED HEAT DETECTOR. SUBSCRIPT "S" INDICATES SUPPLY. SUBSCRIPT "R" INDICATES RETURN.
ELECTRIC RELEASE DOOR CLOSER.
ELECTRO-MAGNETIC DOOR HOLDER.
WATER FLOW SWITCH.
VALVE SUPERVISORY SWITCH.
DUCT MOUNTED DETECTOR REMOTE TEST STATION AND ALARM INDICATOR LIGHT. SUBSCRIPT "W" INDICATES WALL MOUNTED.
SMOKE DAMPER.
FIRE FIGHTER'S TELEPHONE (60" MH UNLESS NOTED OTHERWISE).
PRESSURE SWITCH.
ADDRESSABLE MODULE. SUBSCRIPT "M" INDICATES MONITORING. SUBSCRIPT "C" INDICATES CONTROL.
POST INDICATOR VALVE.
KNOX BOX.

LUMINAIRE SYMBOLS

90 A a	LIGHTING FIXTURE. CAPITAL LETTER DENOTES FIXTURE TYPE, LOWER CASE LETTER DENOTES SWITCHING ARRANGEMENT.
$\mathbf{P} \otimes \mathbf{\square}$	LIGHTING FIXTURE ON EMERGENCY CIRCUIT.
₹	EXIT LIGHTING FIXTURE, ARROWS AS INDICATED.

TECHNOLOGY SYMBOLS

	FIRE RATED, RE-ENTERABLE SLEEVE ASSEMBLY THRU WALL (1-4" SLEEVE UNLESS NOTED OTHERWISE).
AP	CEILING MOUNTED WIRELESS ACCESS POINT (CISCO AIR-LAP1131AG CEILING MOUNTED AP) AND OUTLET. PROVIDE 1-DATA DROP WITH 20' MANAGED SLACK COIL ABOVE CEILING.
	WALL MOUNTED VOICE/DATA OUTLET (18" MH UNLESS NOTED OTHERWISE). BOX WITH CONDUIT(S) TO ABOVE CORRIDOR CEILING, JACKS, FACEPLATE AND CABLE. REFER TO FACEPLATE DETAILS.
₽̂w	WALL MOUNTED PHONE OUTLET (46" MH UNLESS NOTED OTHERWISE). BOX WITH CONDUIT TO ABOVE ACCESSIBLE CEILING, JACKS, FACEPLATE AND CABLE.
₹X	WALL MOUNTED AV OUTLET (84" MH UNLESS NOTED OTHERWISE). BOX WITH CONDUIT, JACKS, FACEPLATE AND CABLING. SUBSCRIPT "X" INDICATES ALTERNATE CONFIGURATION.
(3" CORE FIRE RATED POKE THRU WITH COMBINED POWER/COMMUNICATIONS SERVICE, PROVIDE APPROPRIATE CONNECTOR PLATE AND HINGED COVER. "#" INDICATES OUTLET TYPE.
S ⊲	HORN TYPE PAGING/INTERCOM SYSTEM SPEAKER (90" MH UNLESS NOTED OTHERWISE). 1-GANG BOX WITH 0.75" CONDUIT TO ABOVE ACCESSIBLE CEILING, GROMMETED FACEPLATE, SPEAKER, INSTALLATION AND WIRING.
CR	WALL MOUNTED COMBO PROXIMITY CARD READER/KEYPAD (46" MH UNLESS NOTED OTHERWISE). 1-GANG BOX WITH CONDUIT TO COMMON SMS JUNCTION BOX ABOVE ACCESSIBLE CEILING, CARD READER AND CABLING. REFER TO SECURITY ROUGH-IN DETAILS.
(CR) _{EL}	ELEVATOR CAB MOUNTED COMBO PROX/KEYPAD CARD READER. READER TO BE INSTALLED IN ELEVATOR CAB AS COORDINATED WITH ELEVATOR CONTRACTOR. WIRING FROM CAB THRU TRAVELING CABLE TO ELEVATOR CONTROLLE IN ELEVATOR MACHINE ROOM AND INTERFACE WITH ELEVATOR CONTROLLER AND SMS. COORDINATE WITH ELEVATOR CONTRACTOR. REFER TO SECURITY ROUGH-IN DETAILS.
DM	DOOR POSITION SWITCH WITH WIRING. CONDUIT PATHWAYS FROM DOOR FRAME TO COMMON SMS JUNCTION BOX ABOVE ACCESSIBLE CEILING. PROVIDE ONE CONTACT FOR EACH LEAF IN MULTI-DOOR OPENINGS. REFER TO SECURIT ROUGH-IN DETAILS.
EL	ELECTRONIC DOOR LOCK AND INSTALLATION BY OTHERS. PROVIDE LOW VOLTAGE WIRING, CONDUIT PATHWAYS FROM DOOR FRAME TO COMMON SMS JUNCTION BOX ABOVE ACCESSIBLE CEILING. REFER TO SECURITY ROUGH-IN DETAILS.
EM	ELECTRONIC MAG LOCK AND INSTALLATION BY OTHERS. PROVIDE LOW VOLTAGE WIRING, CONDUIT PATHWAYS FROM DOOR FRAME TO COMMON SMS JUNCTION BOX ABOVE ACCESSIBLE CEILING. REFER TO SECURITY ROUGH-IN DETAILS.
ES	ELECTRONIC STRIKE AND INSTALLATION BY OTHERS. PROVIDE LOW VOLTAGE WIRING, CONDUIT PATHWAYS FROM DOC FRAME TO COMMON SMS JUNCTION BOX ABOVE ACCESSIBLE CEILING. REFER TO SECURITY ROUGH-IN DETAILS.
IC	WALL MOUNTED AUDIO/VIDEO INTERCOM DOOR STATION (46" MH UNLESS NOTED OTHERWISE). 1-GANG BOX WITH 0.75" CONDUIT TO ABOVE ACCESSIBLE CEILING, INTERCOM AND CABLING.
JB	SECURITY SYSTEM JUNCTION BOX TO BE LOCATED ABOVE ACCESSIBLE CEILING (MIN 6"X6"X4"). ROUTE LOCAL DOOR SECURITY WIRING CONDUITS/RACEWAYS TO JUNCTION BOX. EXTEND 1" CONDUIT WITH DOOR SECURITY WIRING TO LOCAL 2-DOOR CONTROL PANEL/REMOTE DOOR CONTROL PANEL AS INDICATED ON DRAWINGS. REFER TO SECURITY ROUGH-IN DETAILS.
MD	CEILING MOUNTED MOTION DETECTOR. 1-GANG BOX MOUNTED IN CEILING, DETECTOR AND CABLING.
-MD	WALL MOUNTED MOTION DETECTOR (90" MH UNLESS NOTED OTHERWISE). 1-GANG BOX WITH 0.75" CONDUIT TO ABOVE ACCESSIBLE CEILING, MOTION DETECTOR, WALL MOUNT HARDWARE, AND CABLING.
PB	WALL MOUNTED PANIC/DURESS BUTTON (46" MH UNLESS NOTED OTHERWISE). 1-GANG BOX WITH 0.75" CONDUIT TO ABOVE ACCESSIBLE CEILING, BUTTON AND CABLING.
RXX	REQUEST TO EXIT SWITCH IN DOOR HARDWARE BY OTHERS. PROVIDE LOW VOLTAGE WIRING, CONDUIT PATHWAYS FROM DOOR FRAME TO COMMON SMS JUNCTION BOX ABOVE ACCESSIBLE CEILING. REFER TO SECURITY ROUGH-IN DETAILS.
(SC)	CEILING MOUNTED PAGING/INTERCOM SYSTEM SPEAKER.
V	PAGING/INTERCOM SYSTEM WALL MOUNTED SPEAKER VOLUME CONTROLLER (46" MH UNLESS NOTED OTHERWISE). 1-GANG BOX AND 0.75" CONDUIT TO ABOVE ACCESSIBLE CEILING, VOLUME CONTROLLER WITH FACEPLATE, INSTALLATION AND WIRING.
GB	CEILING MOUNTED GLASS BREAK SENSOR.
(CC) ¹	CEILING MOUNTED IP CAMERA. REFER TO SCHEDULE FOR DETAILS.

FULLY SPRINKLERED

ABBREVIATIONS

AAP	- AREA ALARM PANEL - MEDICAL GAS	ID	- INSIDE DIAMETER
CC	- ACCESS	IN	- INCHES
ADJ	- ADJUSTABLE		
AF	- ARC FAULT CIRCUIT INTERUPTER	KEC	- KITCHEN EQUIPMENT CONTRACTOR
AFCI	- ARC FAULT CIRCUIT INTERUPTER		
AFF	- ABOVE FINISHED FLOOR TO BOTTOM OF ITEM	L	- LENGTH
AFG	- ABOVE FINISHED GRADE TO BOTTOM OF ITEM	LBS	- POUNDS
ALT	- ALTERNATE		
AP	- ACCESS PANEL	MAP	- MASTER ALARM PANEL (MEDICAL GAS)
	- APPROXIMATE	MAX	- MAXIMUM
	- ARCHITECT OR ARCHITECTURAL	MEZZ	- MEZZANINE
ASSY	- ASSEMBLY	MFR	- MANUFACTURER
ATS	- AUTOMATIC TRANSFER SWITCH	MH	- MANHOLE OR MOUNTING HEIGHT TO CENTER LINE OF ITEM
DI DO	DUIL DINO	MIN	- MINIMUM OR MINUTE
	- BUILDING	MISC	- MISCELLANEOUS
BOE	- BOTTOM OF EQUIPMENT	MTD	- MOUNTED
BOT	- BOTTOM	MTG	- MOUNTING
BTWN	- BETWEEN	NIC	- NOT IN CONTRACT
OFOL	CONTRACTOR FURNICHER CONTRACTOR INCTALLER		- NOT IN CONTRACT - NOMINAL
CFCI CKT	- CONTRACTOR FURNISHED CONTRACTOR INSTALLED - CIRCUIT	NOM NTS	- NOT TO SCALE
	- CEILING	NIS	- NOT TO SCALE
CLG CMU	- CEILING - CONCRETE MASONRY UNIT	OD	- OUTSIDE DIAMETER
CONN	- CONNECT OR CONNECTION	OFCI	- OWNER FURNISHED CONTRACTOR INSTALLED
	- CONTRACTOR	OFOI	- OWNER FURNISHED OWNER INSTALLED
	- CORRIDOR	01 01	- OWNER FORMIONED OWNER INGTALLED
CTR	- CENTER	PC	- PLUMBING CONTRACTOR (DIVISION 22)
Om	OLIVIEIT	PLBG	- PLUMBING
D	- DEPTH	. 250	Londing
	- DETAIL	RAD	- RADIUS
	- DIAMETER	REC	- RECESSED
	- DIMENSION	REQD	- REQUIRED
	- DIVISION	RI	- ROUGH-IN
DN	- DOWN		
DWG	- DRAWING	S	- SURFACE MOUNTED
		SC	- SECURITY CONTRACTOR
EA	- EACH	SCH	- SCHEDULE
EC	- ELECTRICAL CONTRACTOR (DIVISION 26)	SHT	- SHEET
EJ	- EXPANSION JOINT	SMS	- SECURITY MANAGEMENT SYSTEM
	- ELECTRICAL	SPEC	- SPECIFICATIONS
ELEV	- ELEVATION OR ELEVATOR	SQ	- SQUARE
EM	- EMERGENCY	SS	- STAINLESS STEEL
EQ	- EQUAL	STD	- STANDARD
EQS	- EQUIPMENT SUPPLIER		- STRUCTURAL OR STRUCTURE
EQUIP	- EQUIPMENT	SUC	- SITE UTILITY CONTRACTOR
EX/R	- EXISTING DEVICE TO BE REMOVED, CLEANED,	TO	TECHNOLOGY CONTRACTOR
	STORED, AND RELOCATED UNDER NEW WORK PHASE.	TC	- TECHNOLOGY CONTRACTOR
⊑TD	- EXISTING TO REMAIN	TEMP	- TEMPERATURE - TOP OF EQUIPMENT
ETR EWC		TOE TYP	- TYPICAL
EX	- ELECTRIC WATER COOLER - EXISTING	וור	- LIFICAL
EXP	- EXPANSION	UNO	- UNLESS NOTED OTHERWISE
EXT	- EXTERIOR	UNU	STAFFOO LAO LED OTHER LAAFE
LAI	EATERIOR	VFD	- VARIABLE FREQUENCY DRIVE
FCE	- FIRE CONTROL EQUIPMENT	VPD	- VARIABLE PREQUENCY DRIVE - VOLUME
FF	- FINISHED FLOOR ELEVATION	VOL	VOLOIVIL
FLR	- FLOOR	W/	- WITH
FSC	- FIRE SUPPRESSION CONTRACTOR (DIVISION 21)	W/0	- WITHOUT
FT	- FEET	WP	- WEATHERPROOF
FTG	- FOOTING	***	
		ZVC	- ZONE VALVE CABINET
GC	- GENERAL CONTRACTOR		
GF	- GROUND FAULT CIRCUIT INTERRUPTER		
GFCI	- GROUND FAULT CIRCUIT INTERRUPTER OR		
-	GOVERNMENT FURNISHED CONTRACTOR INSTALLED		
GFFT	- GROUND FAULT FEED THRU		
110	LIVAC CONTRACTOR (DIVIDION CO)		

AV SYMBOLS WITH ELECTRICAL REQUIREMENTS

- HVAC CONTRACTOR (DIVISION 23) - HORSE POWER OR HIGH POINT HVAC - HEATING, VENTILATING, AND AIR CONDITIONING

SC IC	CEILING MOUNTED INTERCOM SPEAKER.
MH	HANGING MICROPHONE OUTLET.

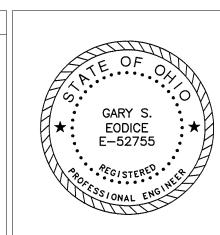
INDEX OF DRAWINGS - ELECTRICAL LEGEND, SYMBOLS & INDEX OF DRAWINGS PARTIAL SECOND FLOOR - REMOVALS PARTIAL SECOND FLOOR - NEW WORK PARTIAL SECOND FLOOR ROOF - NEW WORK LIGHT FIXTURE DESCRIPTIONS PANEL & MOTOR SCHEDULES

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HEAPY PROJECT No.: 2015-04016 FIRM LICENSE No.: 01528





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Drawing Title	
LEGEND, SYMBOLS & INDEX OF DRAWINGS	
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Approved: Project Director

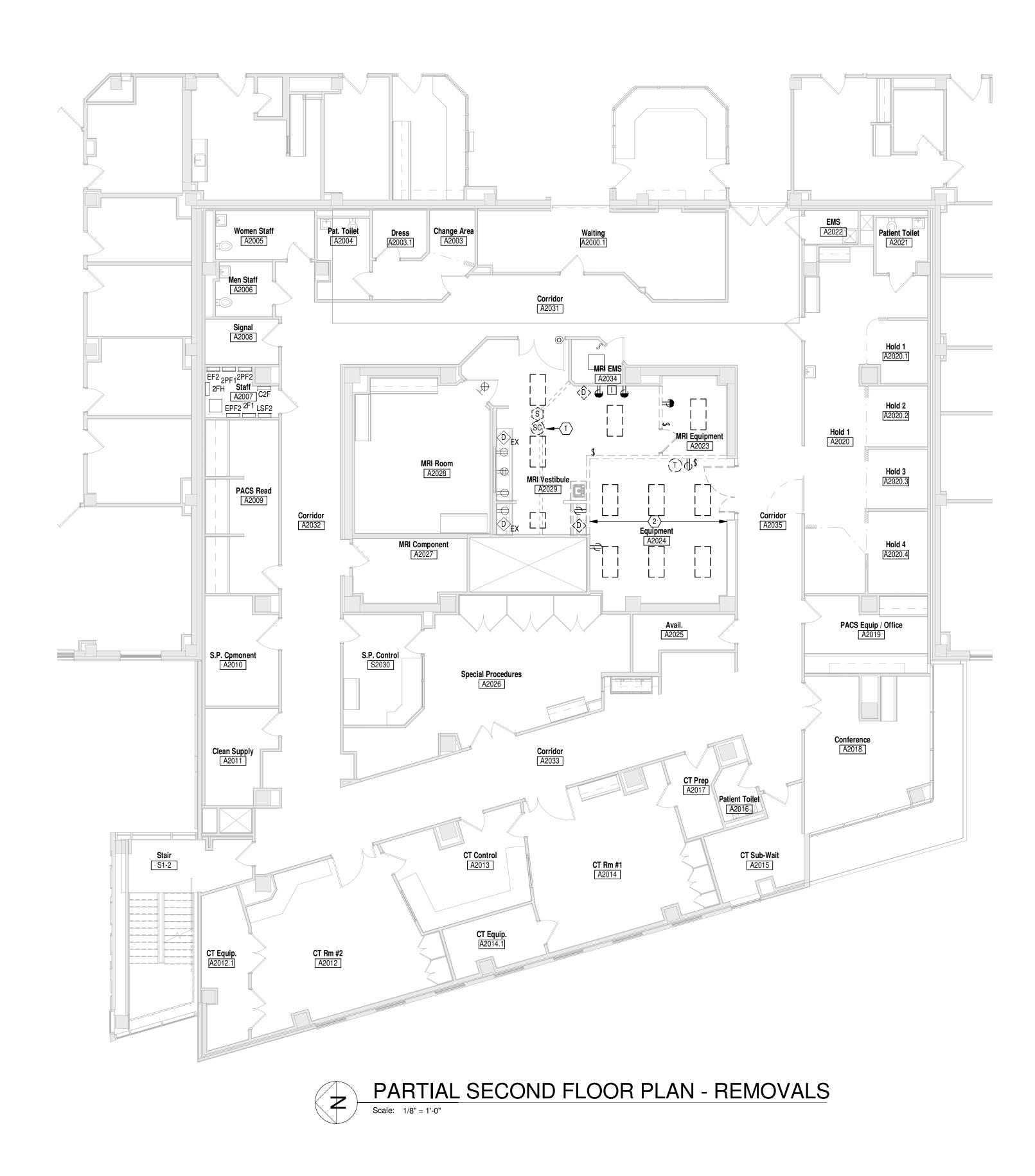
Project Title Project No.
VA Project No. 539-CSI-201 3585.00 MRI SITE PREP Building Number Location Drawing Number Cincinnati, Ohio E001 MSG JB 10/30/2015

Office of Construction and Facilities Management Department o Veterans Affa



○ NOTES:

REMOVE CEILING SPEAKER AND SAVE FOR INSTALLATION IN NEW CEILING.
 REMOVE ALL FERRIS METAL CONDUITS, BOXES ETC FROM AREA WHERE NEW MRI EXAM ROOM IS TO BE LOCATED.



MEP Design Technology Planning Commissioning Energy Nationally Recognized Leader in Sustainability 1400 W Dorothy Lane, Dayton, OH 45409-1310 Ph 937-224-0861 Fax 937-224-5777 www.heapy.com





Drawing Title PARTIAL SECOND FLOOR -REMOVALS

Approved: Project Director

MRI SITE PREP Building Number Drawing Number Cincinnati, Ohio Checked MSG

JB

Project Title

Location

10/30/2015

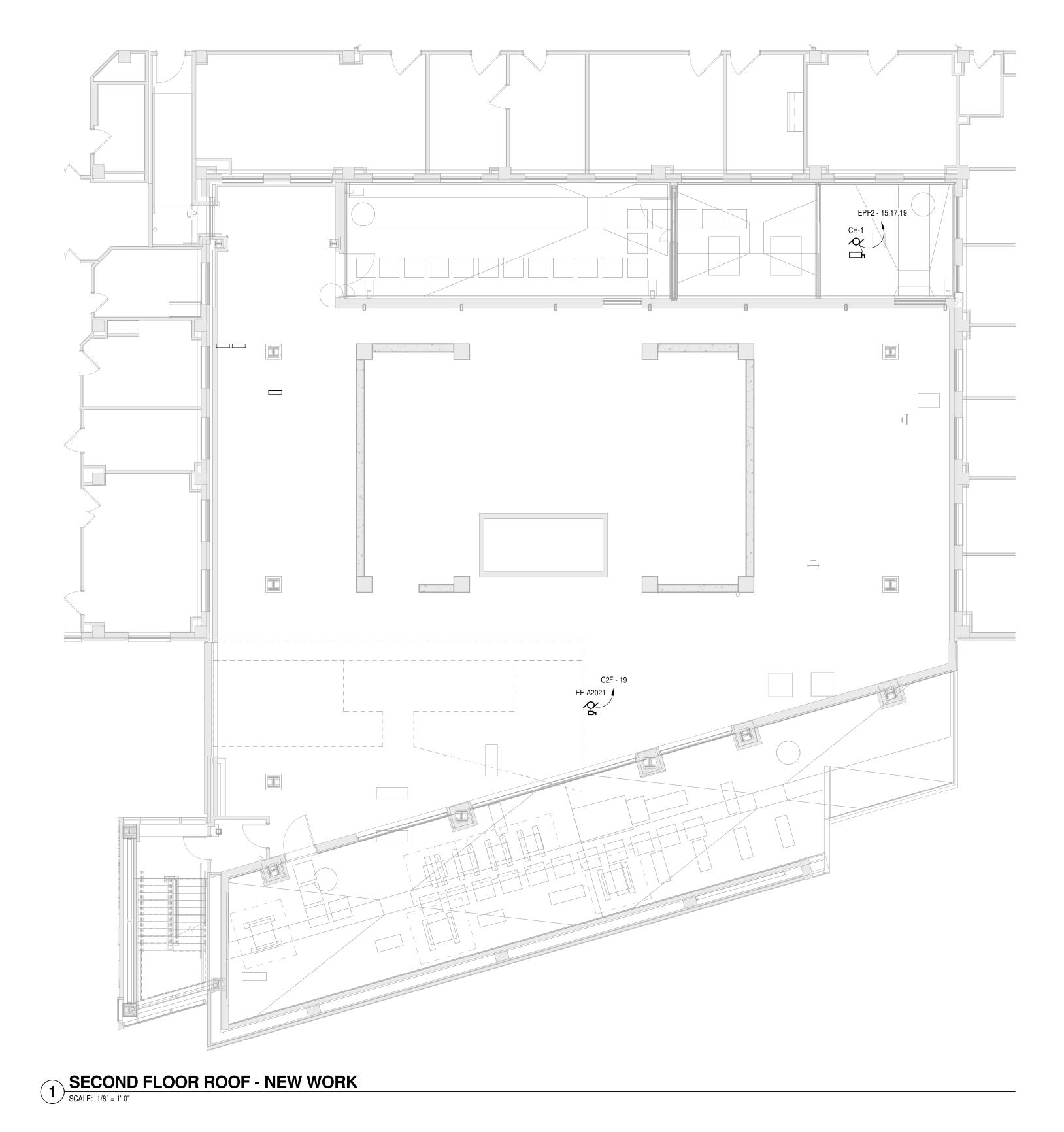
Project No.
VA Project No. 539-CSI-201
3585.00 Office of Construction and Facilities Management ED102 Department of Veterans Affair

one-eighth inch = one foot

HEAPY PROJECT No.: 2015-04016 FIRM LICENSE No.: 01528 Revisions

CONSULTANTS:





one-eighth inch = one foot

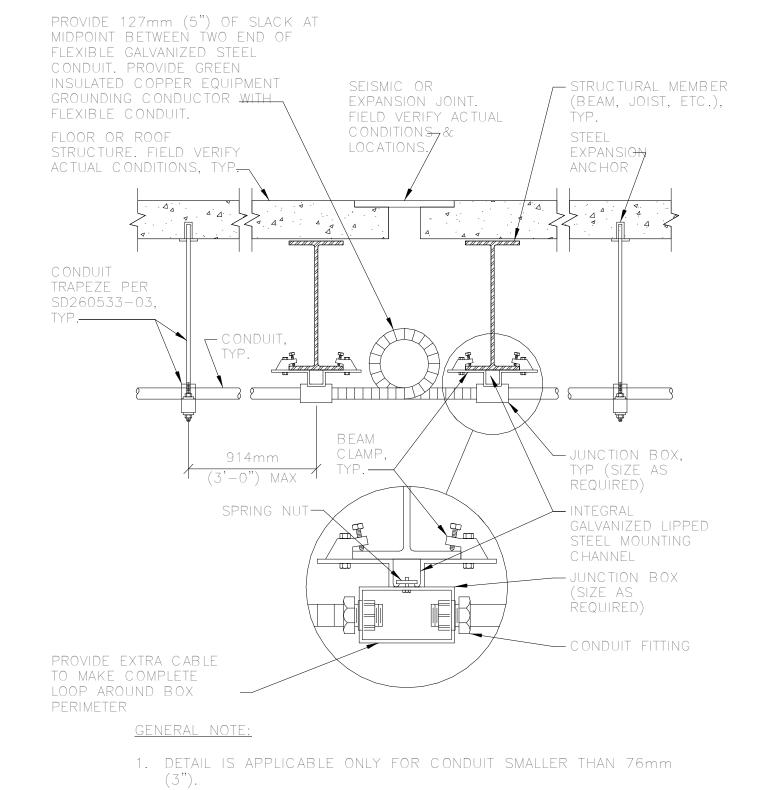
Revisions

CONSULTANTS:

| Leapy Engineering | MEP Design Technology Planning Commissioning Energy | Methodally Recognized Leader in Sustainability | 1400 W Dorothy Lane, Dayton, OH 45409-1310 | Ph 937-224-0861 Fax 937-224-5777 www.heapy.com | HEAPY PROJECT No.: 2015-04016 | FIRM LICENSE No.: 01528 |
| ARCHITECT/ENGINEERS: | Drawing Title | PARTIAL SET | OF The Content of th

Project No.
VA Project No. 539-CSI-201
3585.00 Project Title Office of PARTIAL SECOND FLOOR ROOF -MRI SITE PREP Construction **NEW WORK** Building Number and Facilities Management Location Drawing Number Cincinnati, Ohio E103 Department of Veterans Affairs Checked MSG JB 10/30/2015

FULLY SPRINKLERED



WASHER & LOCKNUT LIPPED STEEL MOUNTING CHANNEL `─ WASHER - INTEGRAL GALVANIZED LOCKNUT LIPPED STEEL 1. INTEGRAL GALVANIZED LIPPED STEEL MOUNTING MOUNTING CHANNEL LONGER THAN 915mm (36") SHALL BE CHANNEL —— INSTALLED WITH A CENTER SUPPORT ROD. 2. FASTEN THREADED ROD TO STRUCTURE BY APPROVED METHOD PER SPECIFICATION 26 05 33, RACEWAY AND BOXES FOR ELECTRICAL SYSTEMS. FIELD VERIFY EXACT CONDITIONS. 3. FOR TRAPEZE INSTALLATIONS IN SEISMIC AREAS REFER TO SPECIFICATION SECTION 13 05 41, SEISMIC RESTRAINT REQUIREMENTS FOR NON-STRUCTURAL COMPONENTS.

LUMINAIRE SUSPENSION WIRE

SECTION 26 51 00.

REFER TO SPECIFICATION

REFER TO PLANS FOR

QUANTITY & SIZE OF

CONDUIT CLAMP.

SIZE AS REQUIRED -

9.52mm (3/8") MIN

ROD, TYP.

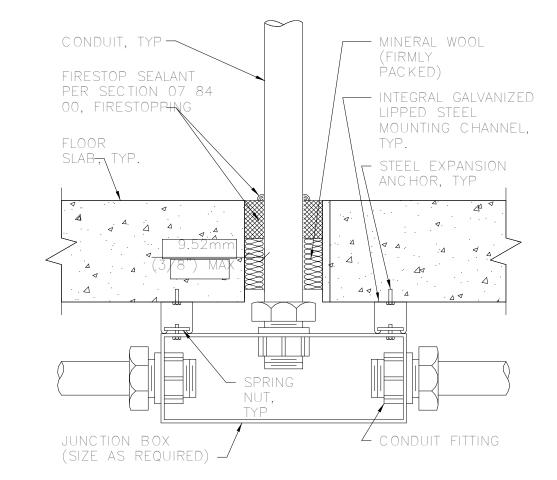
CONDUIT TRAPEZE MOUNTING DETAIL

CEILING HANGER

WIRE TIE OR

SCALE: 1/2" = 1'-0"

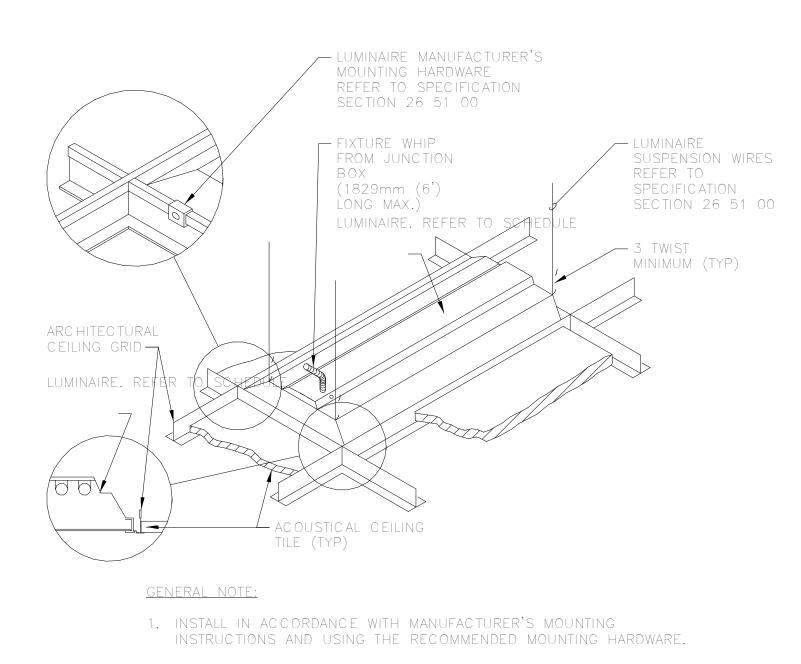
GALVANIZED THREADED

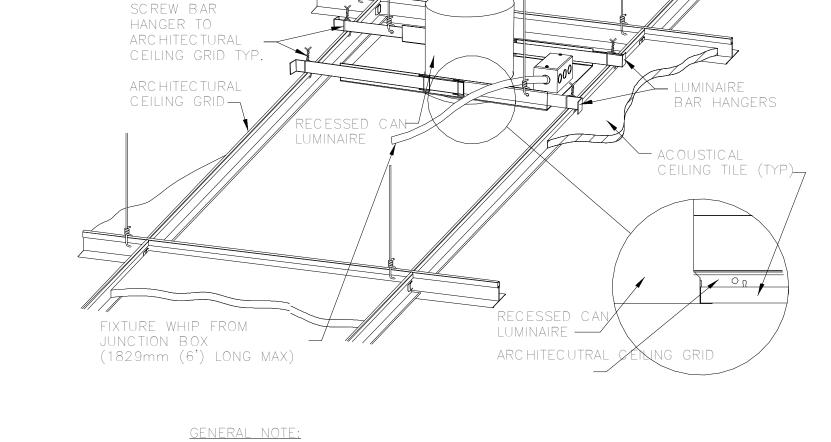


FLOOR SLAB PENETRATION DETAIL

SCALE: 1/2" = 1'-0"

CONDUITEXPANSION JOINT CROSING DETAIL - FLEXIBLE CONDUIT SCALE: 1/2" = 1'-0"



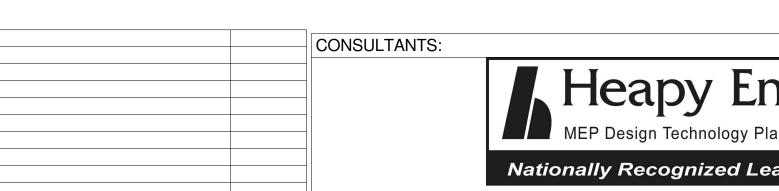


1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S MOUNTING INSTRUCTIONS AND USING RECOMMENDED MOUNTING HARDWARE

G - LAY-IN CEILING DOWNLIGHT MOUNTING - LAY-IN CEILING

LUMINAIRE MOUNTING - LAY-IN CEILING

SCALE: 1/2" = 1'-0"

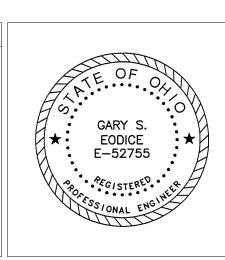


ַרָּמָבָּא בּייַבּינְּמָדְּאַר בּייַבּינְּמָדְּאַר בּייַבּינְּמָדְּאַר בּייַבּינְּמָדְּאַר בּייַבּינְיִיבָּינְ

one-eighth inch = one foot

Revisions







(513) 861 3200



Project No.
VA Project No.
S39-CSI-201
3585.00

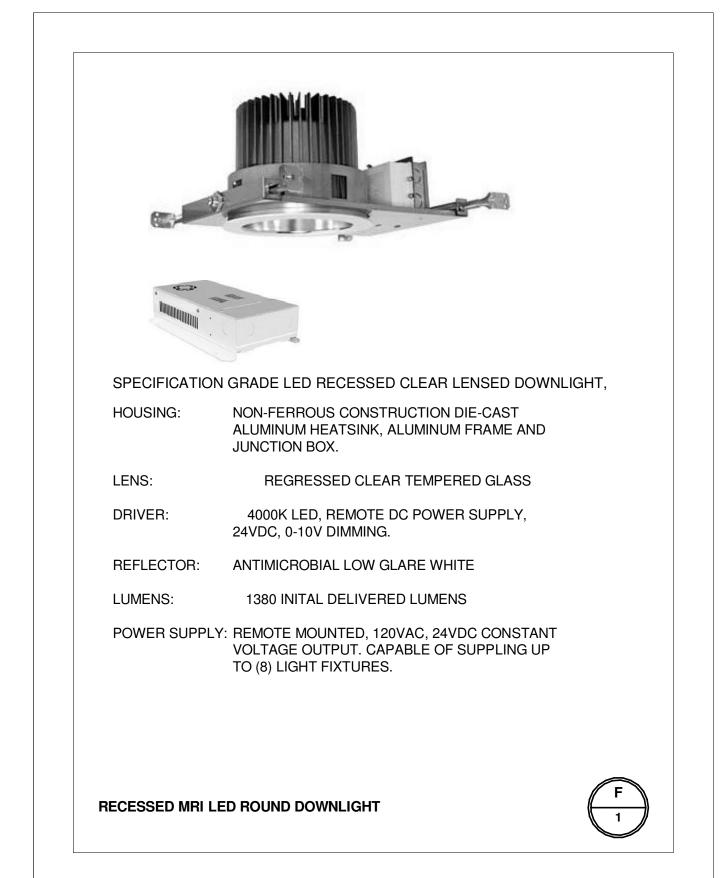
Building Number
01

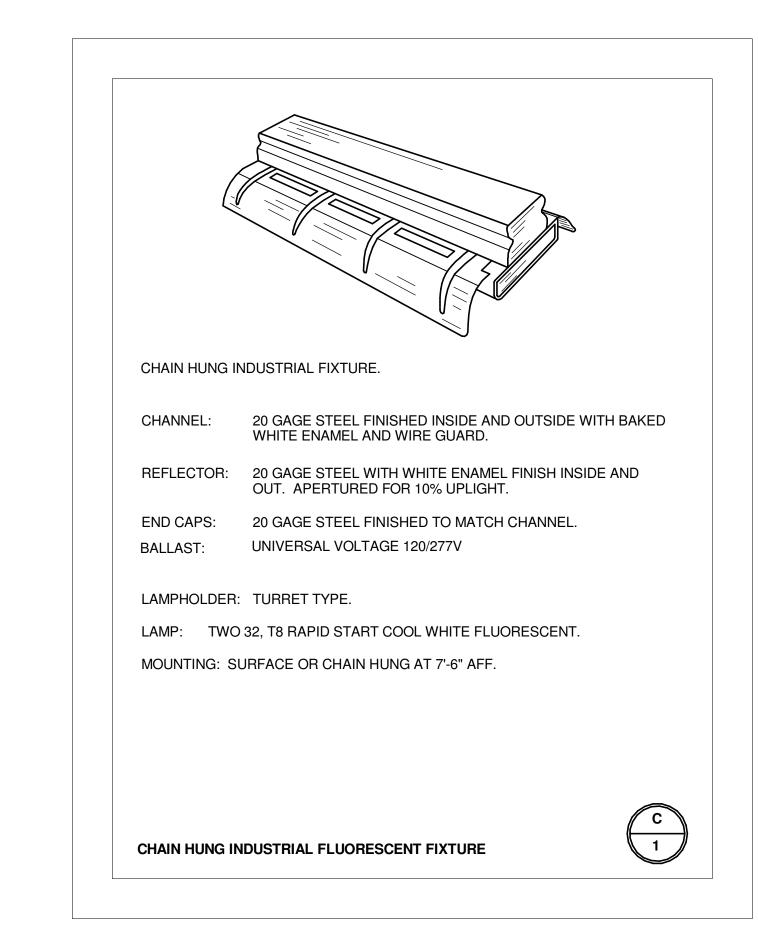
Drawing Number

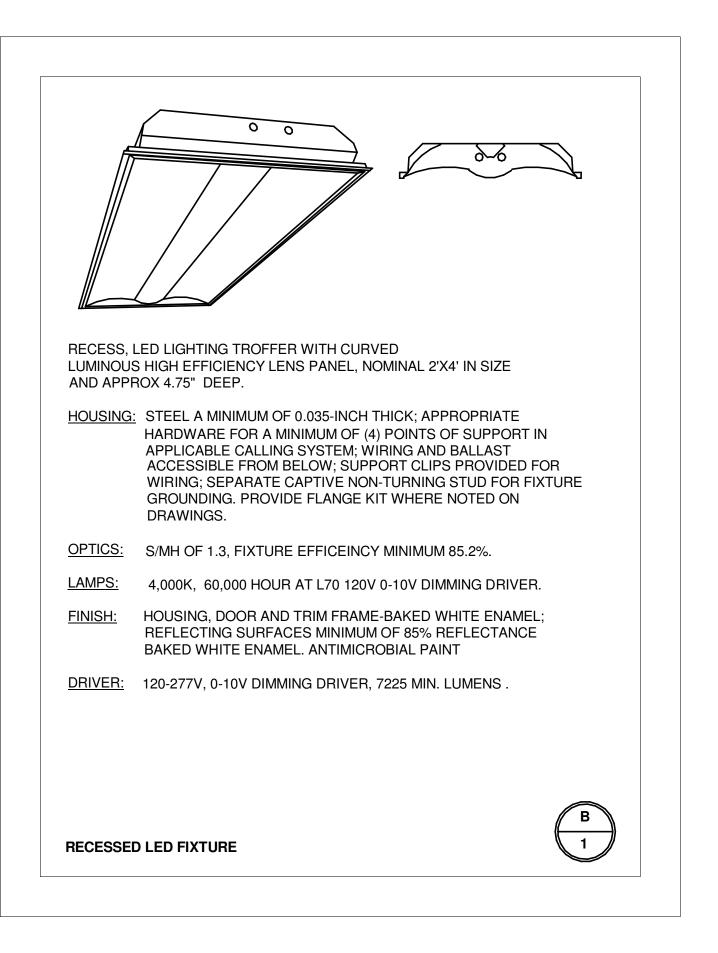
E501

Department of Veterans Affairs





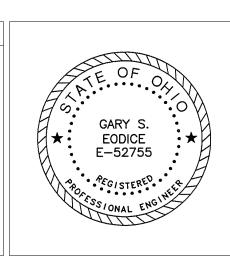








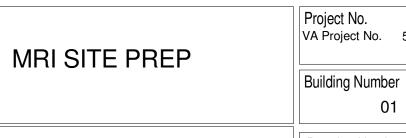
HEAPY PROJECT No.: 2015-04016 FIRM LICENSE No.: 01528







Approved: Project Director

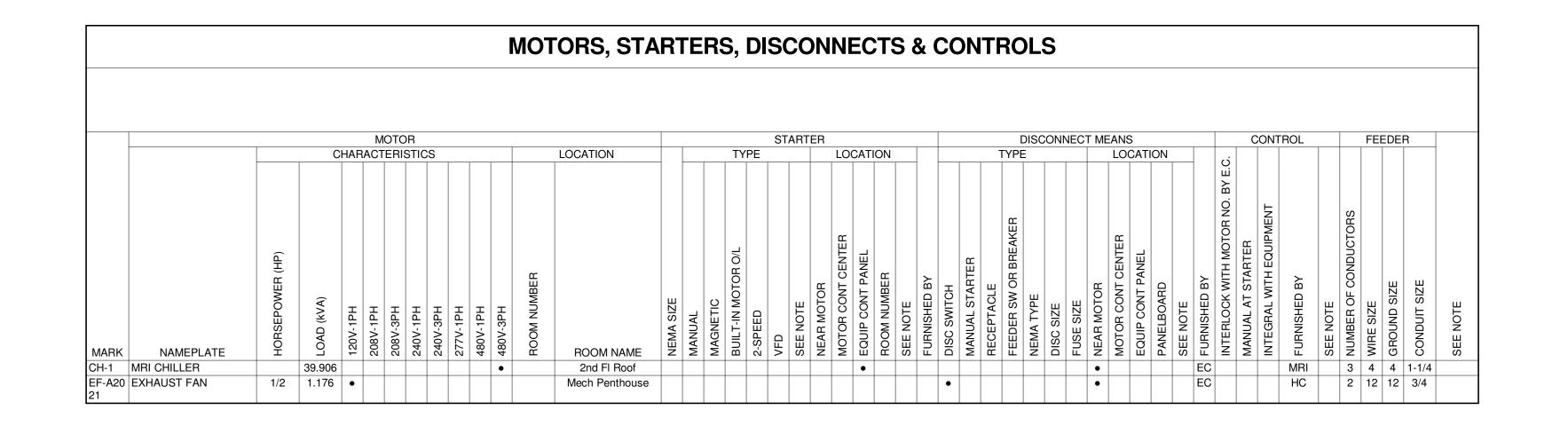


10/30/2015

Project No.
VA Project No.
539-CSI-201
3585.00 Office of Construction and Facilities

Drawing Number Cincinnati, Ohio E601 MSG JB

Management Department of Veterans Affai



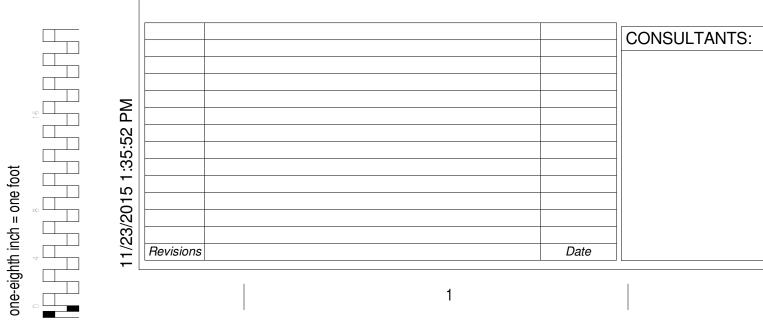
Supp	Location: Staff A2006 oly From: Voltage: 480/277 Wye-	:3PH-4V	V			Mounting: Surface Enclosure: Type 1					A.I.C. Rating: 25,000 Mains Type: MLO Mains Rating: 400 A				
CKT Circui	Circuit Description	Trip	Poles		A	I	В	(Poles	Trip	Circuit Description	СК		
1	Humidifier	110 A	3	22660	0 VA							Space	2		
3						22660	0 VA					Space	4		
5								22660	0 VA			Space	6		
7	Humidifier	110 A	3	22660	0 VA							Space	8		
9						22660	0 VA					Space	10		
11								22660	0 VA			Space	12		
13	FC AC-6-2	15 A	3	2550	2550					3	15 A	FC AC-6-2	14		
15						2550	2550						16		
17								2550	2550				18		
19	ACCU-6-2	20 A	3	3240	3240					3	20 A	ACCU-10-2	20		
21						3240	3240						22		
23								3240	3240				24		
25	Space			0 VA	0 VA							Space	26		
27	Space					0 VA	0 VA					Space	28		
29	Space							0 VA	0 VA			Space	30		
31	Space			0 VA	0 VA							Space	32		
33	Space					0 VA	0 VA					Space	34		
35	Space							0 VA	0 VA			Space	36		
37	Space			0 VA	0 VA							Space	38		
39	Space					0 VA	0 VA					Space	40		
41	Space							0 VA	0 VA			Space	42		
		Total	Load:	56.90	kVA	56.90	kVA	56.90	kVA		,		•		

170.70 kVA

СКТ	Circuit Description Recpt	Trip	Poles		Α		3	(Poles	Trip	Circuit Description	СКТ
1		20 A	1	360 VA	720 VA					1	20 A	Recpt	2
3	Recpt	20 A	1			360 VA	1170			1	20 A	Lts	4
5	Spare	20 A	1					360 VA	1520	1	20 A	Lts	6
7	Recpt	20 A	1	360 VA	96 VA					1	20 A	Lighting	8
9	Recpt	20 A	1			360 VA	380 VA			1	20 A	Lts	10
11	Crash Cart	20 A	1					0 VA	360 VA	1	20 A	Recpt	12
13	Recpt	20 A	1	360 VA	360 VA					1	20 A	Recpt	14
15	Recpt	20 A	1			720 VA	360 VA			1	20 A	Recpt	16
17	Recpt	20 A	1					0 VA	360 VA	1	20 A	Recpt	18
19	EF-1	20 A	1	1176	540 VA					1	20 A	Recept MRI	20
21	Spare	20 A	1			0 VA	160 VA			1	20 A	Lighting	22
23	Spare	20 A	1					0 VA	256 VA	1	20 A	Lighting	24
25	Spare	20 A	1	0 VA	0 VA					1	20 A	Spare	26
27	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	28
29	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	30
		Total	Load:	3.97	kVA	3.51	kVA	2.86	kVA				

СКТ	Circuit Description	Trip	Poles		A	E	3	(Poles	Trip	Circuit Description	CK.
1	Special Proc UPS	60 A	3	20780	0 VA							Space	2
3						20780	0 VA					Space	4
5								20780	0 VA			Space	6
7	SPec Proc Main Feed	150 A	3	27700	0 VA							Space	8
9						27700	0 VA					Space	10
11								27700	0 VA			Space	12
13	MRI Unit	175 A	3	36667	0 VA							Space	14
15						36667	0 VA					Space	16
17								36667	0 VA			Space	18
19	Space			0 VA	0 VA							Space	20
21	Space					0 VA	0 VA					Space	22
23	Space							0 VA	0 VA			Space	24
25	Space			0 VA	0 VA							Space	26
27	Space					0 VA	0 VA					Space	28
29	Space							0 VA	0 VA			Space	30
31	Space			0 VA	0 VA							Space	32
33	Space					0 VA	0 VA					Space	34
35	Space							0 VA	0 VA			Space	36
37	Space			0 VA	0 VA							Space	38
39	Space					0 VA	0 VA					Space	40
41	Space							0 VA	0 VA			Space	42
		Total	Load:	85.15	kVA	85.15	kVA	85.15	kVA				

Panel: EPF2 (2) Location: Staff A2006 Supply From: Voltage: 480/277 Wye-3PH-4W					Mounting: Surface Enclosure: Type 1				A.I.C. Rating: 25,000 Mains Type: MCB Mains Rating: 225 A				
СКТ	Circuit Description	Trip	Poles	,	4	ı	В	(C	Poles	Trip	Circuit Description	СКТ
1	Fan Coil AC-7-2	15 A	3	2550	2110					3	15 A	Hepa Filter	2
3						2550	2110						4
5								2550	2110				6
7	ACCU-7-2	20 A	3	3240	3240					3	20 A	CU	8
9						3240	3240						10
11								3240	3240				12
13	Heat Trace -30mA GF	30 A	1	5240	1330					3	60 A	MRI Chiller	14
15	CH-1	60 A	3			13302	1330						16
17								13302	1330				18
19				13302	3240					3	30 A	CU	20
21	Space					0 VA	3240						22
23	Space							0 VA	3240				24
25	Space			0 VA	0 VA							Space	26
27	Space					0 VA	0 VA					Space	28
29	Space							0 VA	0 VA			Space	30
31	Space			0 VA	0 VA							Space	32
33	Space					0 VA	0 VA					Space	34
35	Space							0 VA	0 VA			Space	36
37	Space			0 VA	0 VA							Space	38
39	Space					0 VA	0 VA					Space	40
41	Space							0 VA	0 VA			Space	42
		Total	Load:	34.25	kVA	29.0	1 kVA	29.01	l kVA				
lotes	::												
TOTAL CONNECTED 92.28 kVA										ESTIMATED DEMAND 78.4 kVA (94.3A)			





HEAPY PROJECT No.: 2015-04016 FIRM LICENSE No.: 01528



ESTIMATED DEMAND

153.3 kVA (184A)



PANEL & MOTOR SCHEDULES	Project Title MRI	SITE PREI	-	Project No. VA Project No. 539-CSI-201 3585.00 Building Number 01	Office of Construction and Facilities		
	Location Cincinna	ati, Ohio		Drawing Number	Management		
proved: Project Director	Date 10/30/2015	Checked MSG	Drawn JB	E603	Department of Veterans Affair		

○ NOTES:

PROVIDE A 100% RATED ELECTRONIC TRIP BREAKER FOR THE MRI UNIT.
 EXISTING PANEL. PROVIDE NEW BREAKERS AS REQUIRED FOR MRI ROOM AND EQUIPMENT.